Relevant to claim No.

A. CLASSIFICATION OF SUBJECT MATTER IPC 7. G11B7/135 G11B7/24

G02B21/00

G02B27/58

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Category °

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G11B G02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

Citation of document, with indication, where appropriate, of the relevant passages

EPO-Internal, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| X | WO 99/26240 A (POLAROID CORP) 27 May 1999 (1999-05-27) page 9, line 8 - page 10, line 2; 6,7 | 1-3,5,6, 9-13 | | | | | | |
|--|--|---|-------------|--|--|--|--|--|
| | page 14, line 4 - page 18, line 7 14,17 page 20, line 27 - page 21, line figures 27-28C | • | | | | | | |
| X | EP 0 110 730 A (COMTECH RES UNIT) 13 June 1984 (1984-06-13) page 1, line 35 - page 5, line 5; figures 5-8 | | | | | | | |
| | page 8, line 3 - page 12, line 11 | | | | | | | |
| | | -/ | | | | | | |
| - | | | | | | | | |
| X Fun | Further documents are listed in the continuation of box C. Patent family members are listed in annex. | | | | | | | |
| "A" docum consid | Special categories of cited documents: A document defining the general state of the art which is not considered to be of particular relevance E earlier document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention X document of particular relevance; the claimed invention | | | | | | | |
| filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means | | cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled | | | | | | |
| "P" docum | means ent published prior to the international filing date but han the priority date claimed | in the art. *&* document member of the same patent family | | | | | | |
| Date of the | actual completion of the international search | Date of mailing of the international sea | arch report | | | | | |
| 5 | 5 August 2004 | 11/08/2004 | · | | | | | |

Authorized officer

Hermann, R

Ruropean Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016

Name and mailing address of the ISA



| C.(Continu | ation) DOCUMENTS CONSIDERED TO BE RELEVANT | 42171820047030313 | | |
|------------|--|-----------------------|--|--|
| Category ° | | Relevant to claim No. | | |
| Х | US 2001/028620 A1 (GUERRA JOHN M) 11 October 2001 (2001-10-11) paragraphs '0069! - '0073!, '0076!, '0077!; figures 15,21,22 | 1-7,9 | | |
| X | WO 98/58370 A (DIGITAL PAPYRUS CORP) 23 December 1998 (1998-12-23) page 4, lines 2-29; figures 3,5 page 6, line 18 - page 7, line 12 page 8, lines 15-19 | 10-14 | | |
| A | US 4 242 579 A (BOUWHUIS GIJSBERTUS) 30 December 1980 (1980-12-30) cited in the application the whole document | 1-14 | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

HAT PINANTALIANCE APPLICATION THE ALL

Information on patent family members

International Application No
T/IB2004/050315

| Patent document cited in search report | | Publication date | | Patent family member(s) | Publication date |
|--|--------------------------|--------------------------------|---|---|--|
| WO 9926240 | Α . | 27-05-1999 | US DE DE EP JP WO US US | 5910940 A 69803604 D1 69803604 T2 1032937 A1 2001523876 T 9926240 A1 6094413 A 6249507 B1 6115348 A | 08-06-1999 14-03-2002 17-10-2002 06-09-2000 27-11-2001 27-05-1999 25-07-2000 19-06-2001 05-09-2000 |
| EP 0110730 | A | 13-06-1984 | AT AT DE DE EP WO JP US AT DE EP WO US | 33432 T 34244 T 3376239 D1 3376596 D1 0110729 A2 0110730 A2 8402419 A1 8402420 A1 60500148 T 60500689 T 4786585 A 29328 T 3465811 D1 0126565 A1 8404420 A1 4893299 A | 15-04-1988 15-05-1988 11-05-1988 16-06-1988 13-06-1984 13-06-1984 21-06-1984 21-06-1984 31-01-1985 09-05-1985 22-11-1988 15-09-1987 08-10-1987 28-11-1984 08-11-1984 |
| US 2001028620 | A1 | 11-10-2001 | US US US | 6249507 B1 6115348 A 6094413 A | 19-06-2001 05-09-2000 25-07-2000 |
| WO 9858370 | A | 23-12-1998 | TW US WO | 421788 B 6108135 A 9858370 A1 | 11-02-2001 22-08-2000 23-12-1998 |
| US 4242579 | A | 30-12-1980 | NL AR AU BE BR CD DE FR JP NNZ PE SE | 7805069 A 219161 A1 372799 B 352079 A 528609 B2 4681079 A 876144 A1 7902788 A 1145040 A1 143832 A5 2917932 A1 189679 A ,B, 480406 A1 2425694 A1 2021281 A ,B 1112554 B 1499357 C 54155008 A 63043820 B 791541 A 190392 A 215491 A1 443466 B | 13-11-1979 31-07-1980 10-11-1983 15-03-1983 05-05-1983 15-11-1979 09-11-1979 27-11-1979 19-04-1983 10-09-1980 15-11-1979 12-11-1979 16-12-1979 07-12-1979 28-11-1979 28-11-1979 20-01-1986 29-05-1989 06-12-1979 01-09-1988 13-11-1979 29-06-1982 24-03-1986 |
| | US 2001028620 US 4242579 | US 2001028620 A1 US 4242579 A | US 2001028620 A1 11-10-2001 WO 9858370 A 23-12-1998 US 4242579 A 30-12-1980 | WO 9926240 A 27-05-1999 US DE DE DE PP JP WO US | WO 9926240 |

Information on patent family members



| Patent document cited in search report | Publication date | | Patent family member(s) | Publication date |
|---|------------------|----------------|-------------------------------------|--|
| US 4242579 | A | SE YU ZA | 7903979 A 110079 A1 7902065 A | 12-11-1979 30-06-1982 31-12-1980 |